



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/780,321

DATE: 08/19/2004

TIME: 10:13:31

Input Set : A:\A-64360-2.ST25.txt

Output Set: N:\CRF4\08192004\J780321.raw

3 <110> APPLICANT: Buelow, Roland
 4 Grassy, Gerard
 5 Calas, Bernard
 7 <120> TITLE OF INVENTION: Cytomodulating Lipophilic Peptides for Modulating Immune

System

8 Activity and Inhibiting Inflammation
 10 <130> FILE REFERENCE: A-64360-2/TAL/CYO (465840-00087)
 12 <140> CURRENT APPLICATION NUMBER: US 10/780,321
 13 <141> CURRENT FILING DATE: 2004-02-17
 15 <150> PRIOR APPLICATION NUMBER: US 09/028,083
 16 <151> PRIOR FILING DATE: 1998-02-28
 18 <150> PRIOR APPLICATION NUMBER: US 08/838,916
 19 <151> PRIOR FILING DATE: 1997-04-11
 21 <160> NUMBER OF SEQ ID NOS: 42
 23 <170> SOFTWARE: PatentIn version 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 10
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Synthetic
 34 <220> FEATURE:
 35 <221> NAME/KEY: MISC_FEATURE
 36 <222> LOCATION: (2)..(4)
 37 <223> OTHER INFORMATION: The Xaa at positions 2-4 can be any amino acid
 39 <220> FEATURE:
 40 <221> NAME/KEY: MISC_FEATURE
 41 <222> LOCATION: (6)..(9)
 42 <223> OTHER INFORMATION: The Xaa at positions 6-9 can be any amino acid
 44 <400> SEQUENCE: 1
 W--> 46 Arg Xaa Xaa Xaa Arg Xaa Xaa Xaa Xaa Tyr
 47 1 5 10
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 9
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Artificial
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Synthetic
 58 <400> SEQUENCE: 2
 60 Gly Leu Arg Ile Leu Leu Lys Val
 61 1 5
 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 8
 66 <212> TYPE: PRT

(pg. 7)
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67 <213> ORGANISM: Artificial
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Synthetic
72 <400> SEQUENCE: 3
74 Met Gly Leu Arg Ile Leu Leu Leu
75 1 5
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 8
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Synthetic
86 <400> SEQUENCE: 4
88 Leu Gly Ile Leu Leu Leu Gly Val
89 1 5
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 8
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic
100 <400> SEQUENCE: 5
102 Leu Asp Ile Leu Leu Leu Gly Val
103 1 5
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 9
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic
114 <400> SEQUENCE: 6
116 Leu Arg Ile Leu Leu Leu Ile Leu Val
117 1 5
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 7
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Synthetic
128 <400> SEQUENCE: 7
130 Leu Arg Leu Leu Leu Lys Val
131 1 5
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetic
143 <220> FEATURE:

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144 <221> NAME/KEY: MISC_FEATURE
 145 <222> LOCATION: (1)..(1)
 146 <223> OTHER INFORMATION: The Xaa at position 1 can be any basic amino acid
 148 <220> FEATURE:
 149 <221> NAME/KEY: MISC_FEATURE
 150 <222> LOCATION: (2)..(4)
 151 <223> OTHER INFORMATION: The Xaa at positions 2-4 can be any amino acid other than an
 152 aliphatic polar amino acid
 154 <220> FEATURE:
 155 <221> NAME/KEY: MISC_FEATURE
 156 <222> LOCATION: (5)..(5)
 157 <223> OTHER INFORMATION: The Xaa at position 5 can be any basic amino acid
 159 <220> FEATURE:
 160 <221> NAME/KEY: MISC_FEATURE
 161 <222> LOCATION: (6)..(8)
 162 <223> OTHER INFORMATION: The Xaa at positions 6-8 can be any amino acid other than an
 163 aliphatic polar amino acid
 165 <220> FEATURE:
 166 <221> NAME/KEY: MISC_FEATURE
 167 <222> LOCATION: (9)..(9)
 168 <223> OTHER INFORMATION: The Xaa at position 9 is glycine, or any basic amino acid,
 or an
 169 aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms
 171 <400> SEQUENCE: 8
 W--> 173 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
 174 1 5 10
 177 <210> SEQ ID NO: 9
 178 <211> LENGTH: 10
 179 <212> TYPE: PRT
 180 <213> ORGANISM: Artificial
 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: Synthetic
 186 <220> FEATURE:
 187 <221> NAME/KEY: MISC_FEATURE
 188 <222> LOCATION: (1)..(1)
 189 <223> OTHER INFORMATION: The Xaa at position 1 is a basic amino acid, preferably
 lysine or
 190 arginine, particularly arginine at at least one position and
 191 preferably both positions
 193 <220> FEATURE:
 194 <221> NAME/KEY: MISC_FEATURE
 195 <222> LOCATION: (2)..(4)
 196 <223> OTHER INFORMATION: The Xaa at positions 2-4 is any amino acid other than an
 197 aliphatic charged amino acid, preferably any amino acid other
 198 than a polar amino acid
 200 <220> FEATURE:
 201 <221> NAME/KEY: MISC_FEATURE
 202 <222> LOCATION: (5)..(5)
 203 <223> OTHER INFORMATION: The Xaa at position 5 is a basic amino acid, preferably
 lysine or
 204 arginine, particularly arginine at at least one position and
 205 preferably both positions

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207 <220> FEATURE:
 208 <221> NAME/KEY: MISC_FEATURE
 209 <222> LOCATION: (6)..(8)
 210 <223> OTHER INFORMATION: The Xaa at positions 6-8 is any amino acid other than an
 211 aliphatic charged amino acid, preferably any amino acid other
 212 than a polar amino acid
 214 <220> FEATURE:
 215 <221> NAME/KEY: MISC_FEATURE
 216 <222> LOCATION: (9)..(9)
 217 <223> OTHER INFORMATION: The Xaa at position 9 is glycine, or any basic amino acid,
 or an
 218 aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms,
 219 particularly glycine or any basic amino acid
 221 <220> FEATURE:
 222 <221> NAME/KEY: MISC_FEATURE
 223 <222> LOCATION: (9)..(9)
 224 <223> OTHER INFORMATION: The Xaa at position 9 is glycine, or any basic amino acid,
 or an
 225 aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms
 227 <400> SEQUENCE: 9
 W--> 229 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
 230 1 5 10
 233 <210> SEQ ID NO: 10
 234 <211> LENGTH: 10
 235 <212> TYPE: PRT
 236 <213> ORGANISM: Artificial
 238 <220> FEATURE:
 239 <223> OTHER INFORMATION: Synthetic
 242 <220> FEATURE:
 243 <221> NAME/KEY: MISC_FEATURE
 244 <222> LOCATION: (1)..(5)
 245 <223> OTHER INFORMATION: The Xaa at positions 1 and 5 is any basic amino acid,
 preferably
 246 lysine or arginine, particularly arginine at at least one
 247 position, preferably at both positions
 249 <220> FEATURE:
 250 <221> NAME/KEY: MISC_FEATURE
 251 <222> LOCATION: (2)..(8)
 252 <223> OTHER INFORMATION: The Xaa at positions 2-4 and 6-8 are aliphatic amino acids
 of
 253 preferably of from 5 to 6 carbon atoms, more preferably at least
 254 4 are aliphatic amino acids of from 5 to 6 carbon atoms, more
 255 particularly 6 carbon atoms
 257 <220> FEATURE:
 258 <221> NAME/KEY: MISC_FEATURE
 259 <222> LOCATION: (9)..(9)
 260 <223> OTHER INFORMATION: The Xaa at position 9 is glycine, or any basic amino acid,
 or an
 261 aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms
 263 <400> SEQUENCE: 10
 W--> 265 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr
 266 1 5 10
 269 <210> SEQ ID NO: 11

270 <211> LENGTH: 10

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Input Set : A:\A-64360-2.ST25.txt

Output Set: N:\CRF4\08192004\J780321.raw

271 <212> TYPE: PRT
 272 <213> ORGANISM: Artificial
 274 <220> FEATURE:
 275 <223> OTHER INFORMATION: Synthetic
 278 <220> FEATURE:
 279 <221> NAME/KEY: MISC_FEATURE
 280 <222> LOCATION: (2)..(2)
 281 <223> OTHER INFORMATION: The Xaa at position 2 is an uncharged aliphatic amino acid
 or
 282 aromatic amino acid, particularly a non-polar aliphatic amino
 283 acid or aromatic amino acid
 285 <220> FEATURE:
 286 <221> NAME/KEY: MISC_FEATURE
 287 <222> LOCATION: (3)..(4)
 288 <223> OTHER INFORMATION: The Xaa at positions 3-4 is any amino acid other than an
 289 aliphatic charged amino acid, preferably any amino acid other
 290 than a polar amino acid
 292 <220> FEATURE:
 293 <221> NAME/KEY: MISC_FEATURE
 294 <222> LOCATION: (6)..(8)
 295 <223> OTHER INFORMATION: The Xaa at positions 6-8 is any amino acid other than an
 296 aliphatic charged amino acid, preferably any amino acid other
 297 than a polar amino acid
 299 <220> FEATURE:
 300 <221> NAME/KEY: MISC_FEATURE
 301 <222> LOCATION: (9)..(9)
 302 <223> OTHER INFORMATION: The Xaa at position 9 is glycine, or any basic amino acid,
 or an
 303 aliphatic hydrophobic amino acid of from 5 to 6 carbon atoms
 305 <400> SEQUENCE: 11
 W--> 307 Arg Xaa Xaa Xaa Arg Xaa Xaa Xaa Tyr
 308 1 5 10
 311 <210> SEQ ID NO: 12
 312 <211> LENGTH: 10
 313 <212> TYPE: PRT
 314 <213> ORGANISM: Artificial
 316 <220> FEATURE:
 317 <223> OTHER INFORMATION: Synthetic
 319 <400> SEQUENCE: 12
 321 Arg Glu Asn Leu Arg Ile Ala Leu Arg Tyr
 322 1 5 10
 325 <210> SEQ ID NO: 13
 326 <211> LENGTH: 10
 327 <212> TYPE: PRT
 328 <213> ORGANISM: Artificial
 330 <220> FEATURE:
 331 <223> OTHER INFORMATION: Synthetic
 334 <220> FEATURE:
 335 <221> NAME/KEY: MISC_FEATURE
 336 <222> LOCATION: (2)..(4)
 337 <223> OTHER INFORMATION: The Xaa at positions 2-4 is norleucine

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,6,7,8,9 ✓

Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9 ✓

Seq#:9; Xaa Pos. 1,2,3,4,5,6,7,8,9 ✓

Seq#:10; Xaa Pos. 1,2,3,4,5,6,7,8,9 ✓

Seq#:11; Xaa Pos. 2,3,4,6,7,8,9 ✓

Seq#:13; Xaa Pos. 2,3,4,6,7,8 ✓

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42

VERIFICATION SUMMARY

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L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0